

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3547	82/1.11,11,18,148,162.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/05 16:27
L2	401	L1 and (disc and disk)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/05 16:51
L3	39	("1236748"   "1554302"   "2546225"   "3303709"   "3373622"   "3540164"   "3663795"   "3895539"   "3951563"   "4226146"   "4336730"   "4388846"   "4452111"   "4478116"   "4493231"   "4523499"   "4640158"   "4678408"   "4703977"   "4854199"   "5054918"   "5099728"   "5152166"   "5201586"   "5279192"   "5377549"   "5397231"   "5499563"   "5549023"   "5603733"   "5615589"   "5653153"   "6044310").PN. OR ("6477928"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/05 16:50
L4	33	("0553987"   "1153085"   "1290507"   "1338641"   "2046462"   "2158429"   "2353648"   "3343765"   "3486712").PN. OR ("3895539"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/05 16:50
L5	926	29/889.7,889.72.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/05 16:51
L6	128	L5 and (disc and disk)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/05 16:51
L7	22	("3736638"   "4089456"   "4882823"   "5063662"   "5072871"   "5083371"   "5099573"   "5156327").PN. OR ("5269058"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/05 17:37
L8	9	((disc or disk) and hub and machin\$4 and turbine).clm.	US-PGPUB	OR	ON	2006/07/05 17:38

## EAST Search History

S1	897	29/889.7,889.72.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/14 15:51
S3	3508	82/1.11,11,18,148,162.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/05 16:27
S4	7	("1344520").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/06/14 15:52
S5	4	S1 and workpiece same fixture	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/14 16:12
S6	18	("2629936").URPN.	USPAT	OR	ON	2005/06/14 16:03
S7	63	S1 and workpiece and machin\$4 and turbine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/14 16:13
S8	28	("2079717"   "2826123"   "3127506"   "3262368"   "3841200"   "4028992"   "4031809"   "4176992"   "4460297"   "4521860"   "4747236"   "4905158"   "4920838"   "4949270"   "5080538"   "5125775"   "5200677"   "5368422"   "5378091"   "5727296"   "5733080"   "6122824").PN. OR ("6491482").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/14 16:27
S9	9	("2633776"   "2726578"   "3910159"   "4031809"   "4061077"   "5125775").PN. OR ("5733080"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/14 16:30
S10	21	("2113716"   "2593363"   "2660930"   "2826123"   "3413890"   "3641872"   "3741070").PN. OR ("4031809").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/14 16:33
S11	21	("4031809"   "4369563"   "4512110"   "4686796").PN. OR ("5193314"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/14 16:38

## EAST Search History

S12	12	("4053289"   "4481742"   "4704825"   "4831785"   "4894597"   "4993896"   "5193314"   "5197228"   "5261768").PN. OR ("5645466"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/14 16:49
S13	12	("4053289"   "4481742"   "4704825"   "4831785"   "4894597"   "4993896"   "5193314"   "5197228"   "5261768").PN. OR ("5503589"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/14 16:53
S14	21	("1476593"   "2008474"   "2480807"   "2909010"   "4031809"   "4104943"   "4260304"   "4533286"   "4624610").PN. OR ("5125775"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/14 16:56
S15	21	("1476593"   "2008474"   "2480807"   "2909010"   "4031809"   "4104943"   "4260304"   "4533286"   "4624610").PN. OR ("5125775"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/14 16:56
S16	15	("2633776").URPN.	USPAT	OR	ON	2005/06/14 17:01
S17	34	("3834833"   "3850698"   "4002403"   "4060769"   "4118147"   "4401477"   "4426867"   "4539461"   "4937421"   "5131957"   "5232344"   "5306360"   "5409415"   "5492447"   "5498137"   "5531570"   "5584662"   "5591009"   "5674328"   "5674329"   "5756965"   "6004102").PN. OR ("6155789").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/14 17:07
S18	14	("2382339"   "3988913"   "4033168"   "4055975"   "4222260"   "4321818"   "4444039"   "4466266"   "4479293"   "4527410"   "4665785"   "4712404"   "5933951").PN. OR ("6138491"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/14 17:11
S19	20	("3997640"   "4631092"   "4746374"   "4820360"   "4849168"   "5028491"   "5076858"   "5082506"   "5125811"   "5190603").PN. OR ("5299353").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/14 17:14
S20	7	("4799974"   "4883545"   "4909859"   "4969593"   "5299353"   "5415831"   "5549768").PN. OR ("6521059").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/14 17:14
S21	7	("4714410"   "5160242"   "5299353"   "5478207"   "5511945").PN. OR ("6158961").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/14 17:42

## EAST Search History

S22	38	("3440388"   "3503804"   "3588439"   "3657510"   "4063063"   "4125757"   "4128752"   "4156124"   "4219721"   "4250374"   "4319122"   "4324972"   "4328410"   "4368080"   "4617085"   "4720621"   "4756765"   "4803021").PN. OR ("5210944").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/14 17:47
S23	3	("4686796").PN. OR ("4747237").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/14 17:48
S24	16	("1260588"   "1470500"   "2373827"   "2959843").PN. OR ("4704066").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/14 17:50
S25	14	("3566493"   "3627443"   "4526312"   "4704066"   "4784573"   "5332360"   "5429877"   "5511949"   "5593085").PN. OR ("5876183").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/14 17:55
S26	18	("3566493").URPN.	USPAT	OR	ON	2005/06/14 18:49
S27	15	("3060561"   "3064345"   "3407110"   "3413708"   "3566493"   "3740301"   "4284443").PN. OR ("4346134").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/14 18:51
S28	3	("2959843").URPN.	USPAT	OR	ON	2005/06/14 18:55
S29	2	"20040226420"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/14 19:56
S30	22212	hill.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/14 19:57
S31	1883	hill.in. and disc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/14 19:57
S32	46	hill.in. and disc and turbine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/14 19:57

## EAST Search History

S37	2	("5193314").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/06/15 12:14
S38	1333	machin\$4 same (delay\$4 and distor\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 19:53
S39	792	S38 and method	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 19:43
S40	17	machin\$4 same (delay\$4 near distor\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 19:47
S41	18	S38 and turbine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 19:44
S43	36	(machin\$4 adj operation)same (delay\$4 and distor\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 19:47
S44	36	(machin\$4 adj operation) same (delay\$4 and distor\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 19:50
S45	1271	(machin\$4 adj operation) same (distor\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 19:51
S46	56	(machin\$4 adj operation) same (distor\$4 same interval)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 19:52
S50	12	machin\$4 same ((delay\$4) same (avoid\$4 near distor\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 19:55

## EAST Search History

S51	2	machin\$4 same ((delay\$4) same (avoid\$4 near deform\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 20:12
S52	0	machin\$4 same ((high) near (risidual adj stress))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 20:14
S53	0	machin\$4 same ((high) and (risidual adj stress))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 20:14
S54	0	machin\$4 same (risidual adj stress)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 20:14
S55	46	machin\$4 same ((high) near (residual adj stress))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 20:15
S56	0	machin\$4 near ((high) near (residual adj stress))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 20:16
S57	0	machin\$4 near (high adj residual adj stress)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 20:16
S58	0	machin\$4 near (high near (residual adj stress))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 20:16
S59	3	machin\$4 near (high and (residual adj stress))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 20:22
S60	1153	machin\$4 and sequence and (residual adj stress)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 20:23

## EAST Search History

S61	64	machin\$4 and sequence and (high near (residual adj stress))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 20:23
S62	1	machin\$4 near sequence and (high near (residual adj stress))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 20:24
S63	1	(machin\$4 near sequence) and (high near (residual adj stress))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 20:24
S64	5	(machin\$4 same sequence) and (high near (residual adj stress))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 20:24
S65	178	(machin\$4 same sequence) and (residual adj stress)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 20:25
S66	0	(machin\$4 same sequence) near (residual adj stress)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 20:24
S67	7	(machin\$4 near sequence) and (residual adj stress)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 20:28
S68	1707	(machin\$4 ) same (residual adj stress)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 20:28
S69	55	(machin\$4 ) near(residual adj stress)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 20:28
S70	55	(machin\$4 ) near (residual adj stress)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/21 20:28

## EAST Search History

S71	2	("59001125").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/06/22 08:48
S72	1260	29/889.23,558.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/06 17:56
S73	5	S72 and finished adj disk	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/06 17:57
S74	7	S72 and finished near disk	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/06 17:57
S75	5	S72 and finished adj disc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/06 17:58
S76	0	S72 and balde and finished with disc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/06 17:58
S77	12	S72 and blade and finished with disc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/06 17:58
S78	2	("6077002").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/18 17:25
S79	28	("1744757"   "2390994"   "2429324"   "2431604"   "2480807"   "2633776"   "2703511"   "2962941"   "3130481"   "3370508"   "4046057"   "4260304"   "5782589").PN. OR ("6077002"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/18 17:26



## EAST Search History

S80	2	("5507617").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/18 17:26
S81	1465	409/132,197,198,199.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/18 19:54
S82	17	S81 and disc and hub and machining	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/18 19:57
S83	2	S82 and forged	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/18 19:55
S84	1	S81 and turbine and disc and hub and forge\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/18 19:58
S85	263	S3and turbine and disc and hub and forge\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/18 19:58
S86	3522	82/1.11,11,18,148,162.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/18 19:58
S87	1	S86 and turbine and disc and hub and forge\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/18 19:58
S88	905	29/889.7,889.72.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/18 19:58
S89	2	S88 and turbine and disc and hub and forge\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/18 19:58

## EAST Search History

S90	24	("1291658"   "2724420"   "3375694"   "3519503"   "3643327"   "3741821"   "4150557"   "4252011"   "4265105"   "4312211"   "4474044"   "4527410"   "4530229"   "4531396"   "4663011").PN. OR ("4841614").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/18 20:00
S91	2	("20040226420").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/19 08:35
S92	1265	29/889.23,558.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 08:36
S93	0	S92 and mill\$3 with (residual adj stress)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 08:36
S94	0	S92 and mill\$3 with (residual near stress)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 08:36
S95	2	S92 and mill\$3 and (residual near stress)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 08:38
S96	3522	82/1.11,11,18,148,162.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 08:38
S97	8	S96 and mill\$3 and (residual near stress)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 08:42
S98	905	29/889.7,889.72.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 08:42

## EAST Search History

S99	5	S98 and mill\$3 and (residual near stress)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 18:19
S100	1465	409/132,197,198,199.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 08:45
S101	1	S100 and mill\$3 and (residual near stress)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 17:45
S102	2	("4777713").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/19 17:27
S103	5399	(mill\$3 or machining) and (residual near stress)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 17:46
S104	557	(mill\$3 or machining) with (residual near stress)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 17:46
S105	1	S104 and dsc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 17:46
S106	16	S104 and turbine and disc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 17:46
S107	2	("6077002").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/19 18:14
S108	6210	"21" and lathe and disc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 18:20

## EAST Search History

S109	905	29/889.7,889.72.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 18:20
S110	2	S109 and lathe and disc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 18:21
S111	1265	29/889.23,558.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 18:21
S112	22	S111 and lathe and disc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 18:23
S113	3522	82/1.11,11,18,148,162.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 18:23
S114	230	S113 and lathe and disc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/22 21:27
S115	61	S114 and hub	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 18:25
S116	3	S115 and turbine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 18:23
S117	2	("6219916").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/19 18:34

## EAST Search History

S11 8	28	("1744757"   "2390994"   "2429324"   "2431604"   "2480807"   "2633776"   "2703511"   "2962941"   "3130481"   "3370508"   "4046057"   "4260304"   "5782589").PN. OR ("6077002"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 19:33
S11 9	1265	29/889.23,558.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/21 21:08
S12 0	3522	82/1.11,11,18,148,162.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/22 21:28
S12 1	23	S120 and disc and (support\$3 with internal\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/22 21:28